Claims

1. Hollow ceramics particles having a hollow structure formed by a porous shell layer comprising ceramics powders bonded to each other and having an average particle diameter of from 10 to 100 μm and a breaking strength of 5×10^4 MPa or more.

2. The hollow ceramics particles as described in Claim 1, wherein the average thickness of the aforementioned porous shell layer is from 2 to 60 μm.

3. The hollow ceramics particles as described in Claim 1 or 2, wherein the aforementioned ceramics powder is a mixed powder composed of powders having different particle diameters and/or kinds.

4. A hollow ceramics particles-containing composite material comprising hollow ceramics particles dispersed in a matrix which hollow ceramics particles formed by a porous shell layer comprising ceramics powders bonded to each other, wherein the aforementioned hollow ceramics particles are hollow particles obtained by sintering a precursor comprising the aforementioned ceramics powder covered by a resin powder in such an arrangement that a part of the aforementioned ceramics powder is embedded in the resin

powder.

5. The hollow ceramics particles-containing composite material as described in Claim 4, wherein the aforementioned hollow ceramics particles are hollow ceramics particles as described in any one of Claims 1 to 3.

6. The hollow ceramics particles-containing composite material as described in Claim 4 or 5, wherein the aforementioned matrix is a metal.

7. A sliding member made of a hollow ceramics particles-containing composite material as described in any one of Claims 4 to 6.